

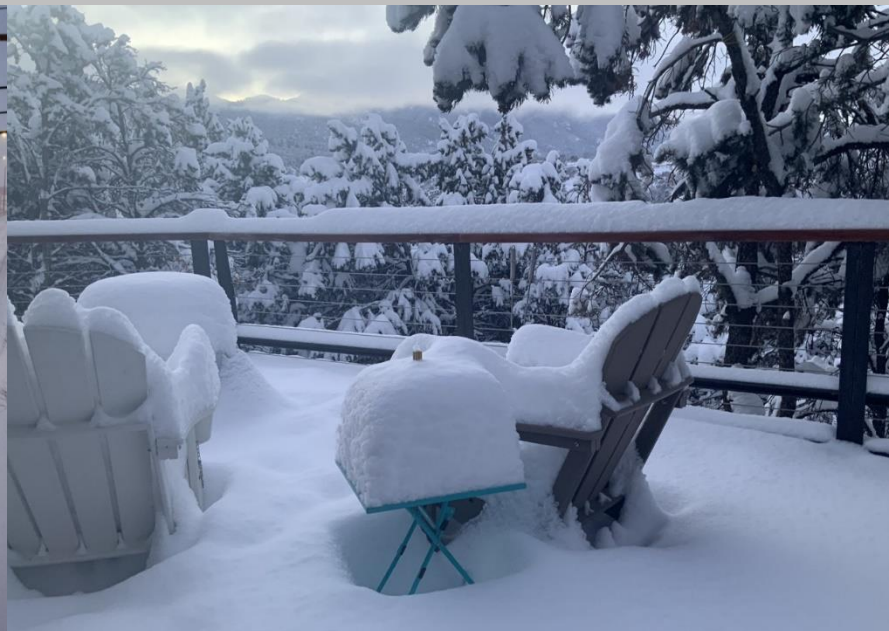


Synopsis

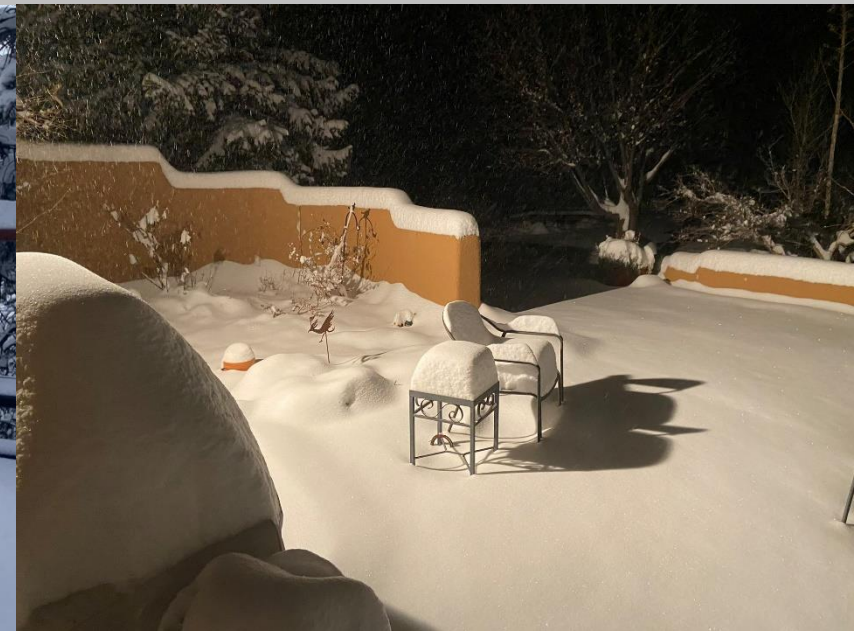
February 2022 brought below normal temperatures, especially to the east, while precipitation was above normal in the north central high country, but near to below normal elsewhere. The one big storm occurred early in the month, piling up snow and creating strong to high winds and cold temperatures for much of northern and central New Mexico. Sporadic high winds were noted from the 15th through 23rd. A decent system delivered moderate amounts of snow on the 23rd through the 24th.



February 2, 2022 Big-I in ABQ
Photo courtesy of NMDOT

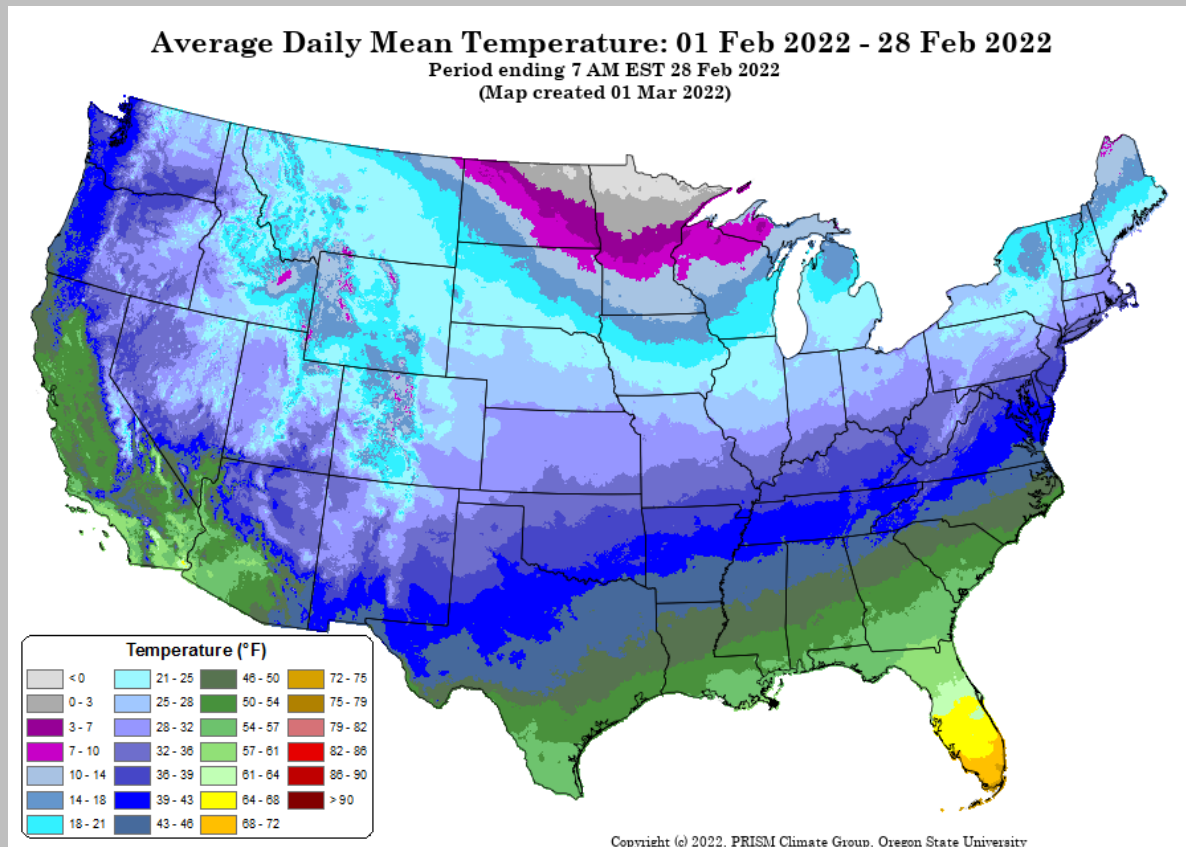


February 2, 2022 | Valdez, NM
Photo courtesy D. Garrity via Twitter

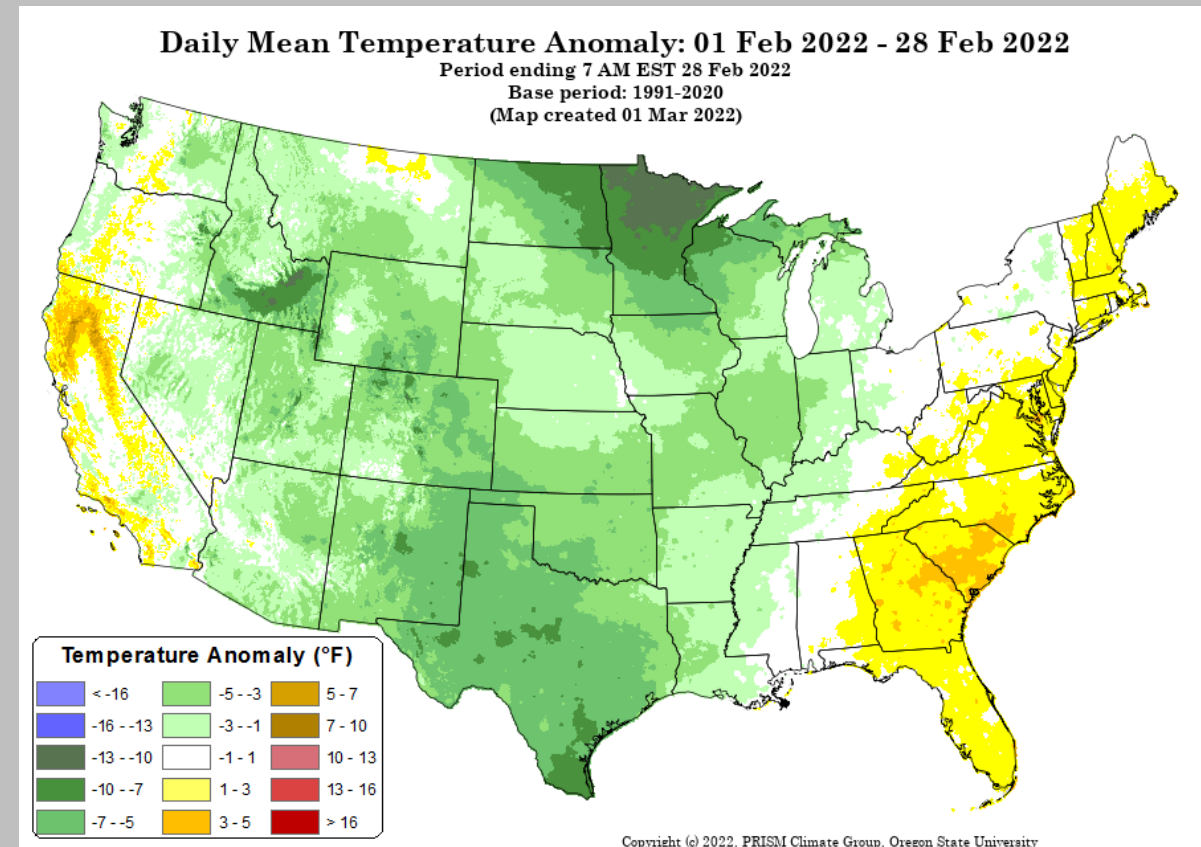


February 3, 2022 | Chilili, NM
Photo courtesy of Bill Simms

Actual



Anomaly

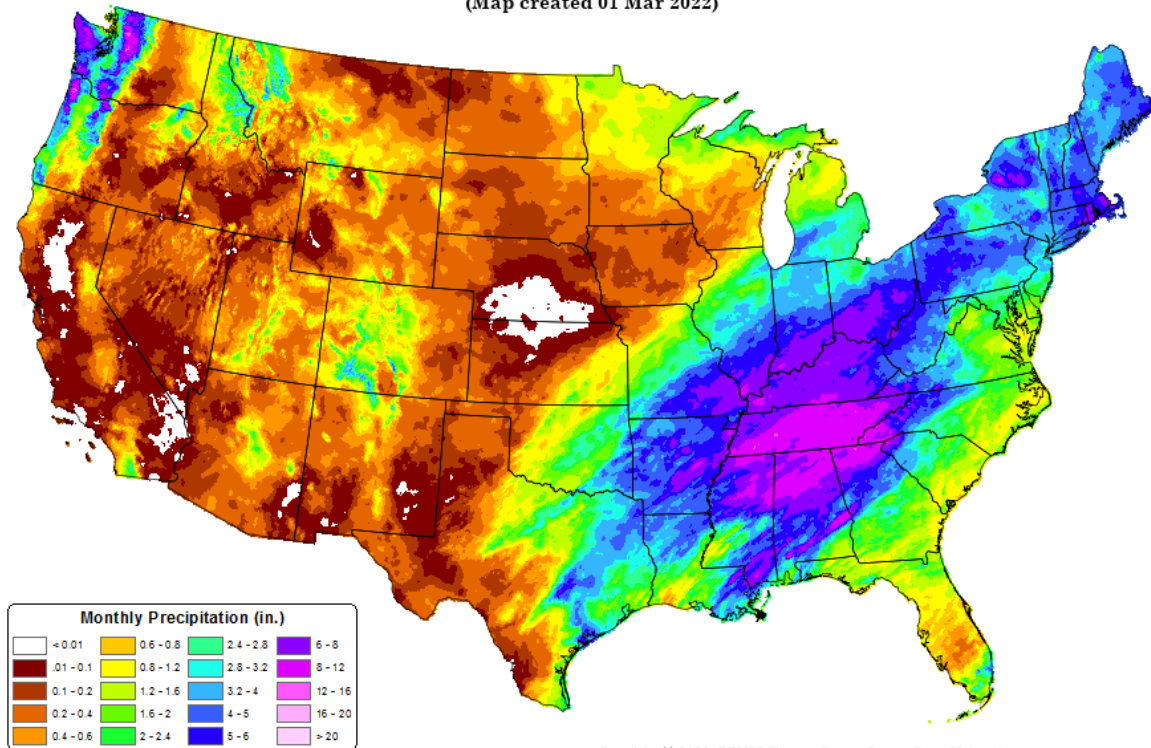


February temperatures were below normal, especially in the east.

Actual

Total Precipitation: 01 Feb 2022 - 28 Feb 2022

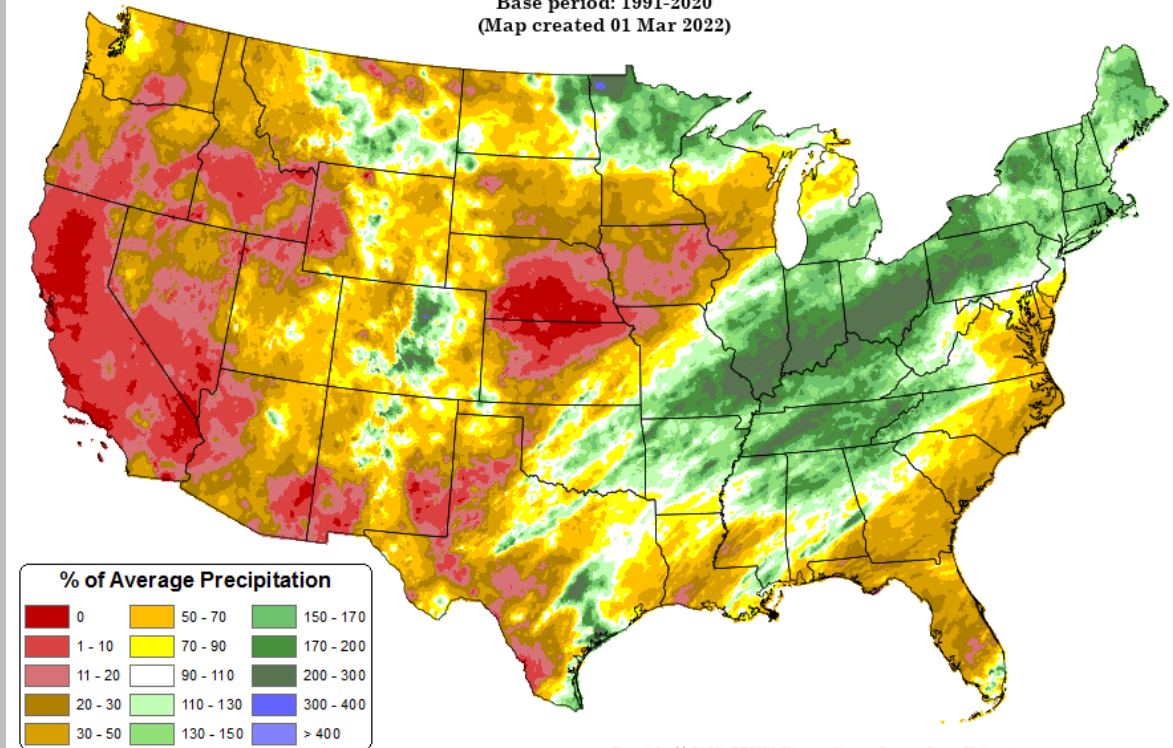
Period ending 7 AM EST 28 Feb 2022
(Map created 01 Mar 2022)



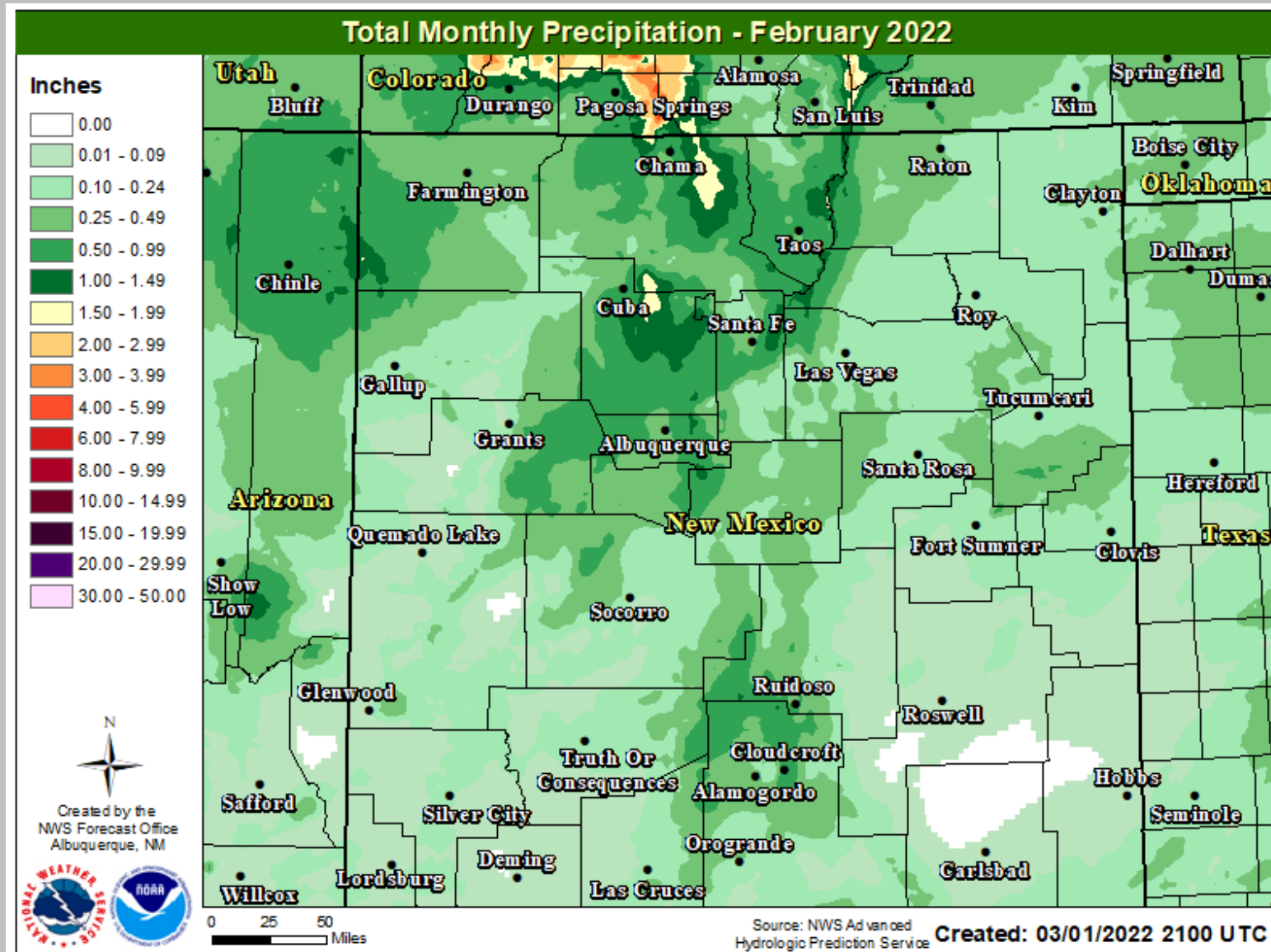
Anomaly

Total Precipitation Anomaly: 01 Feb 2022 - 28 Feb 2022

Period ending 7 AM EST 28 Feb 2022
Base period: 1991-2020
(Map created 01 Mar 2022)

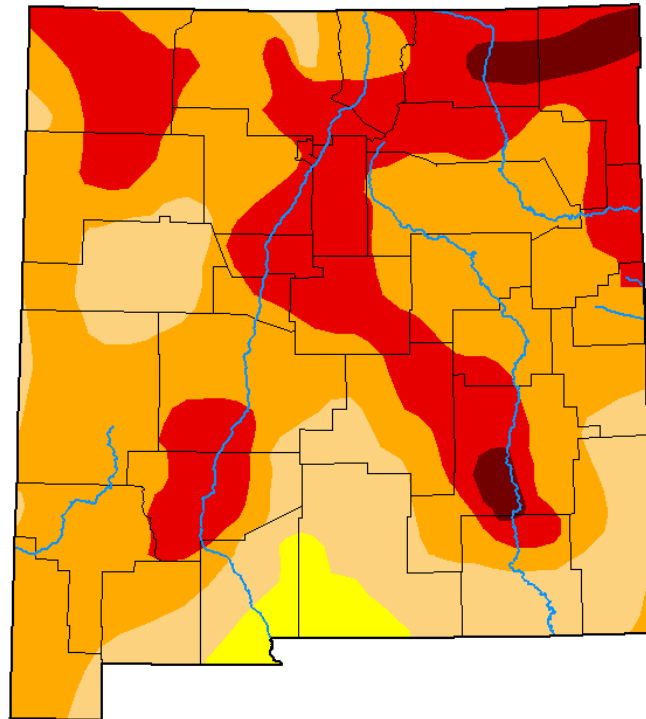


February precipitation was mostly near to below normal, aside from the northern mountains.



Here is a more detailed image of the February 2022 precipitation.

U.S. Drought Monitor New Mexico



February 1, 2022
(Released Thursday, Feb. 3, 2022)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	97.15	78.16	29.76	2.53
Last Week 01-25-2022	0.00	100.00	97.15	78.16	30.01	1.88
3 Months Ago 11-02-2021	0.19	99.81	78.14	51.53	11.20	0.00
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 02-02-2021	0.00	100.00	99.96	99.57	81.83	54.03

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

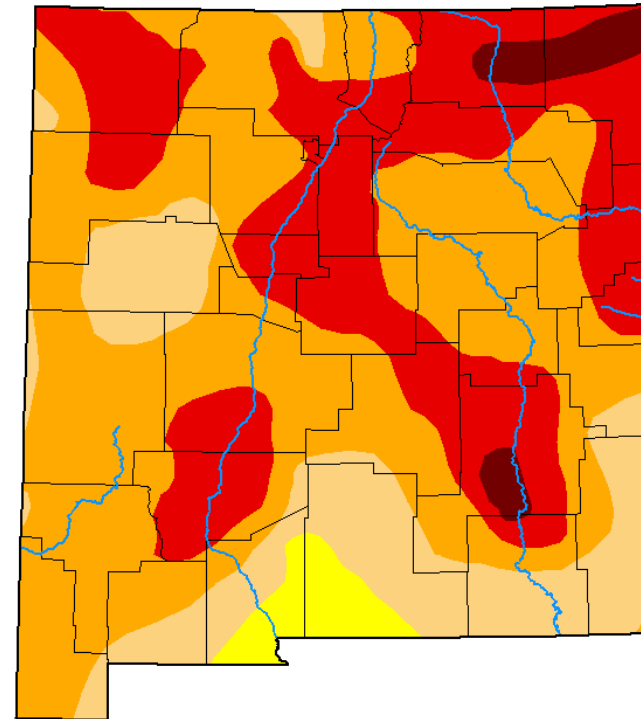
Author:

Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



February 22, 2022
(Released Thursday, Feb. 24, 2022)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	97.09	79.86	32.46	2.53
Last Week 02-15-2022	0.00	100.00	97.09	78.16	29.76	2.53
3 Months Ago 11-23-2021	0.15	99.85	88.58	56.14	14.42	0.00
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 02-23-2021	0.00	100.00	100.00	99.91	82.03	54.24

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Pugh
CPC/NOAA

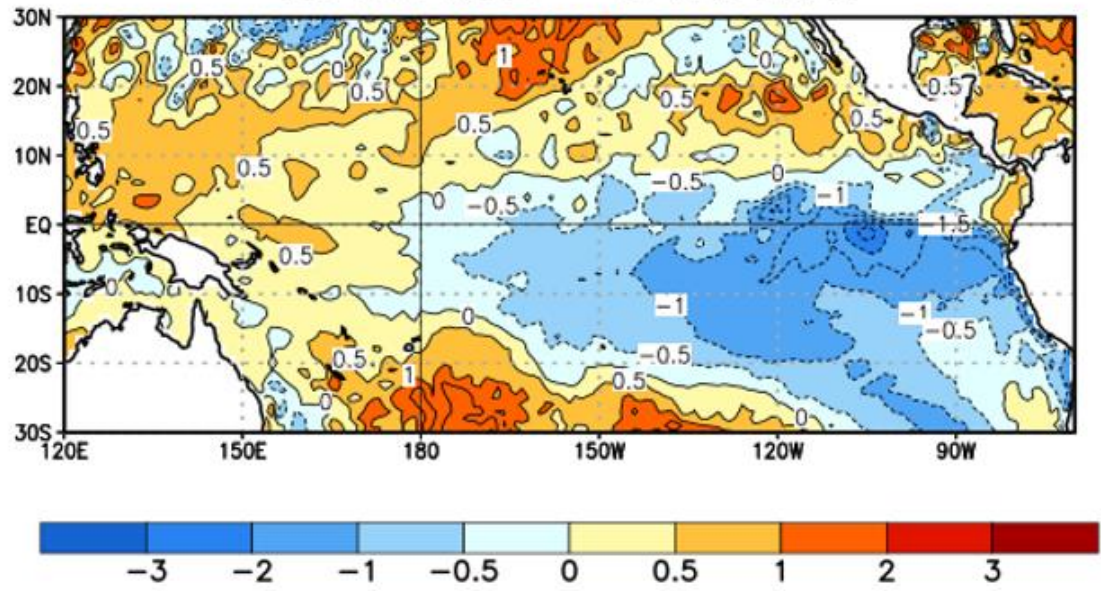


droughtmonitor.unl.edu

Drought conditions in February did not change much throughout the month. There was a slight degradation in Quay and Curry Counties from severe (D2) to extreme (D3) drought.



Average SST Anomalies
23 JAN 2022 – 19 FEB 2022



EQ. Subsurface Temperature Anomalies (deg C)

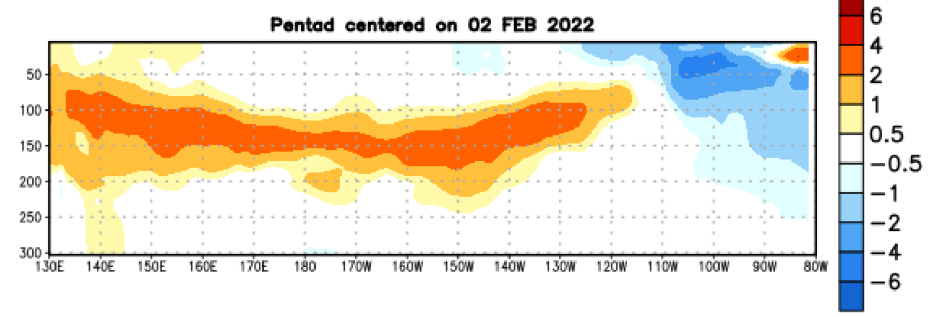


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 2 February 2022. Anomalies are departures from the 1991-2020 base period pentad means.

EQ. Upper-Ocean Heat Anoms. (deg C) for 180-100W

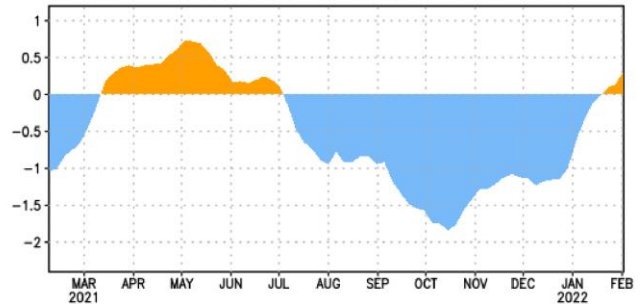
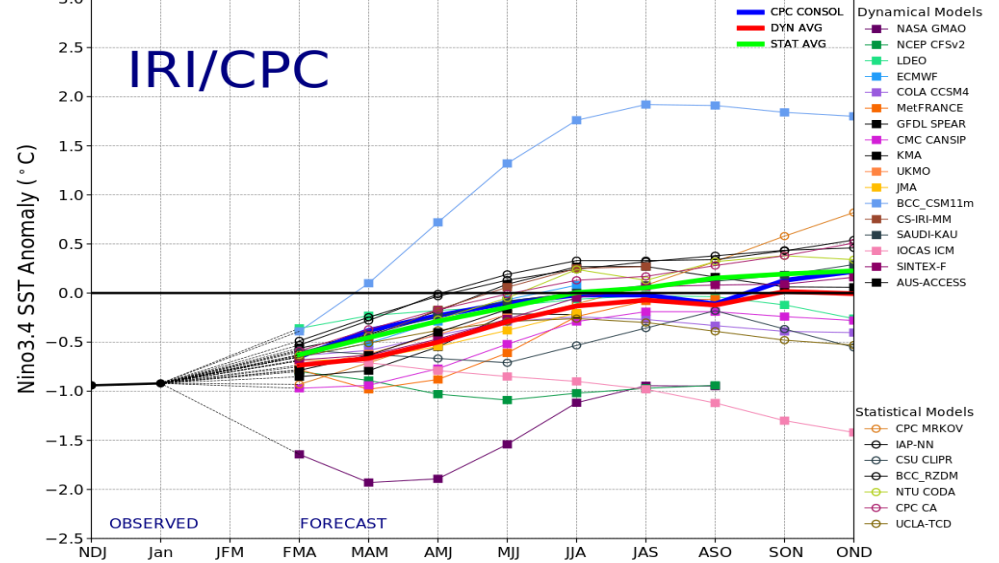


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

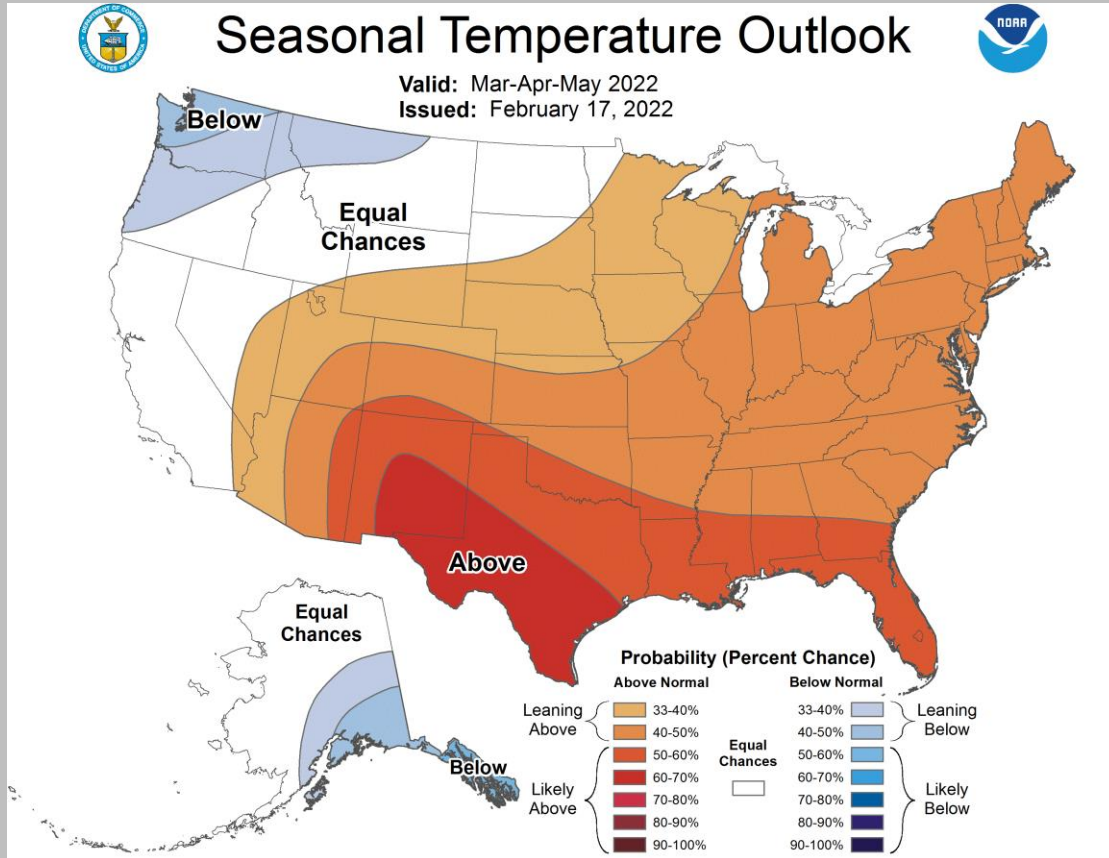
For a detailed summary of the latest ENSO forecast, click the link below:

<https://www.cpc.ncep.noaa.gov/>

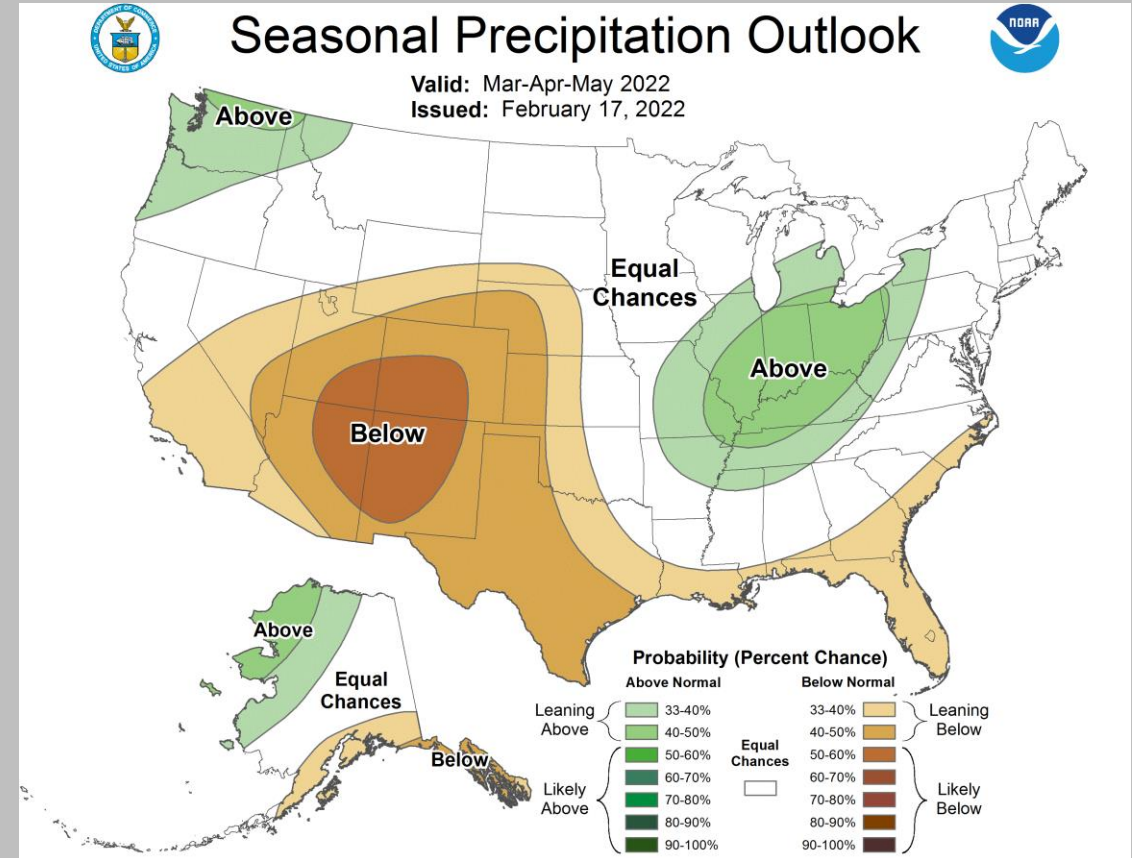
Model Predictions of ENSO from Feb 2022



Temperature March-April-May



Precipitation March-April-May

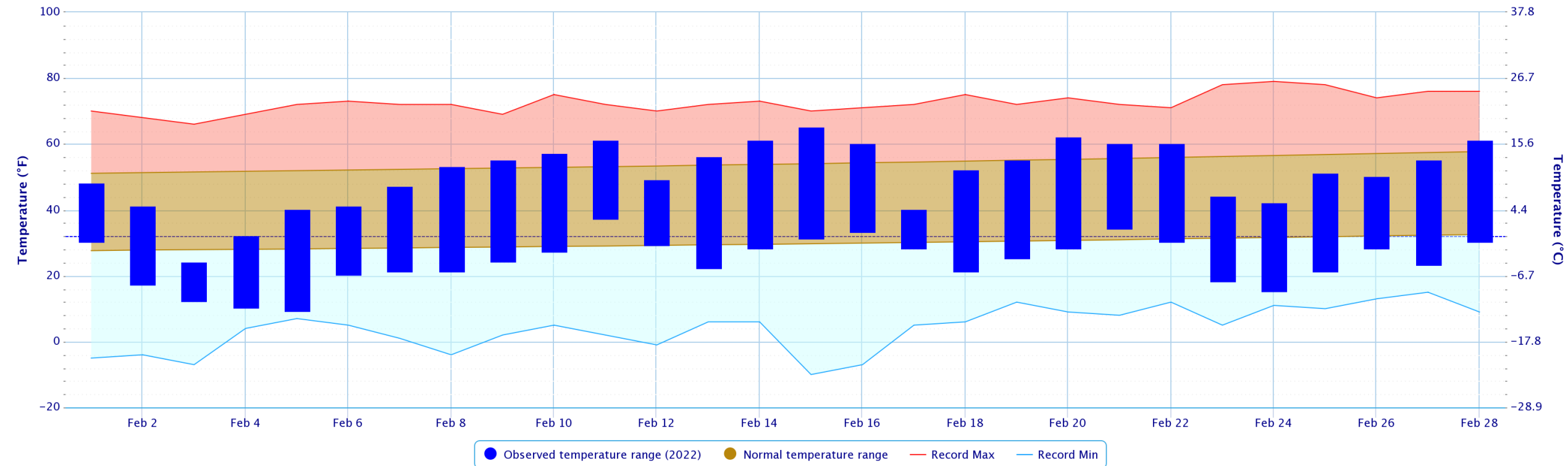


Above normal temperatures and below normal precipitation continue to be the most likely pattern for the spring season.

Average Temperature: 37.4°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2022-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



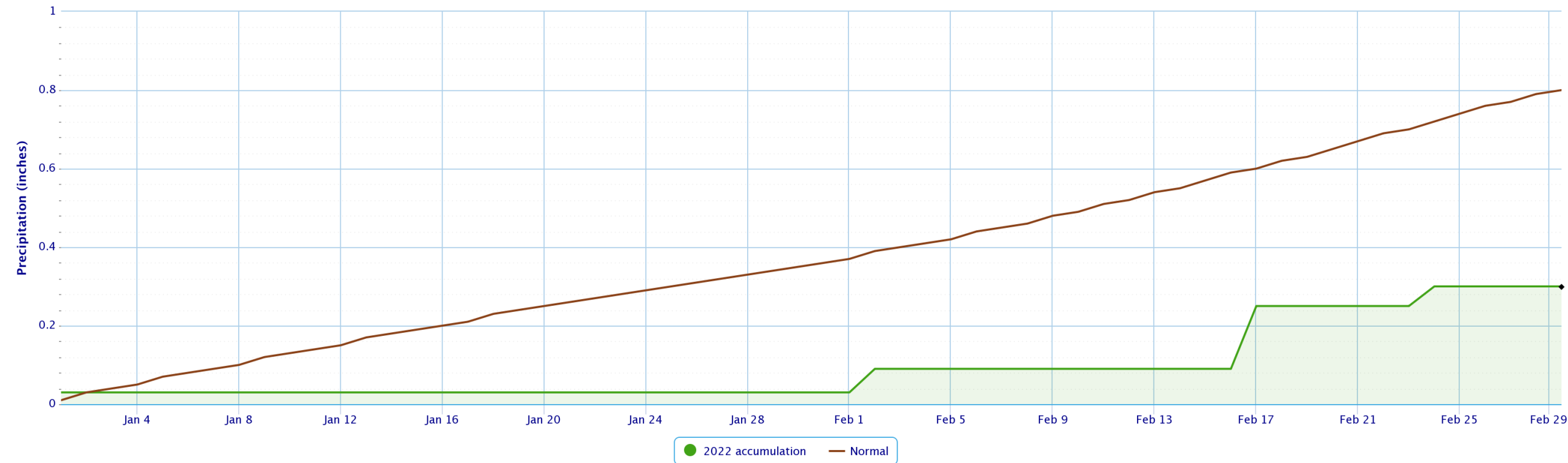
Powered by ACIS

The February 2022 average temperature for Albuquerque was 37.4°, which was 4.5° below the normal of 41.9°. The average maximum temperature for the month was 50.8°. This was 3.3° below the normal average maximum temperature of 54.1°. The average minimum temperature for the month was 24.0°. This was 5.8° below the normal average minimum temperature of 29.8°. This ranked as the 23rd coldest February on record.

Precipitation: 0.27"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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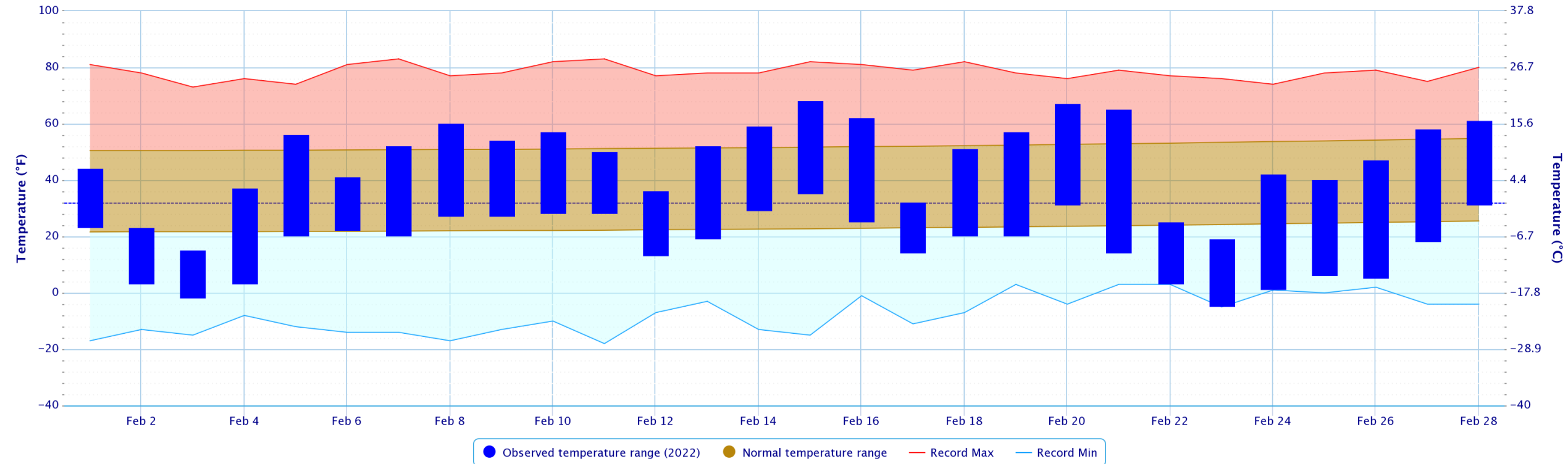
The February 2022 precipitation for Albuquerque was 0.27", which was 0.16" below the normal of 0.43". This ranked as a tie for the 55th driest February on record.

There was 5.6" of snow, compared to the normal of 1.5".

Average Temperature: 32.3°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2022-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



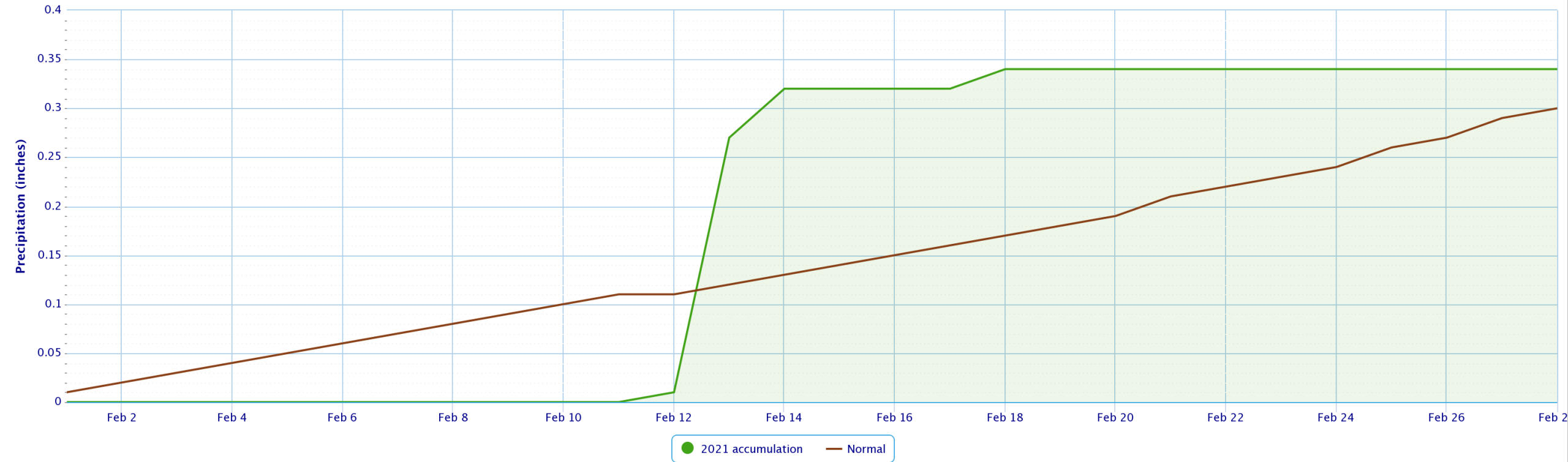
Powered by ACIS

The February 2022 average temperature for Clayton was 32.3°, which was 5.2° below the normal of 37.5°. The average maximum temperature for the month was 47.5°. This was 4.5° below the normal average maximum temperature of 52.0°. The average minimum temperature for the month was 17.1°. This was 5.9° below the normal average minimum temperature of 23.0°. This ranked as the 13th coldest February on record.

Precipitation: 0.25"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

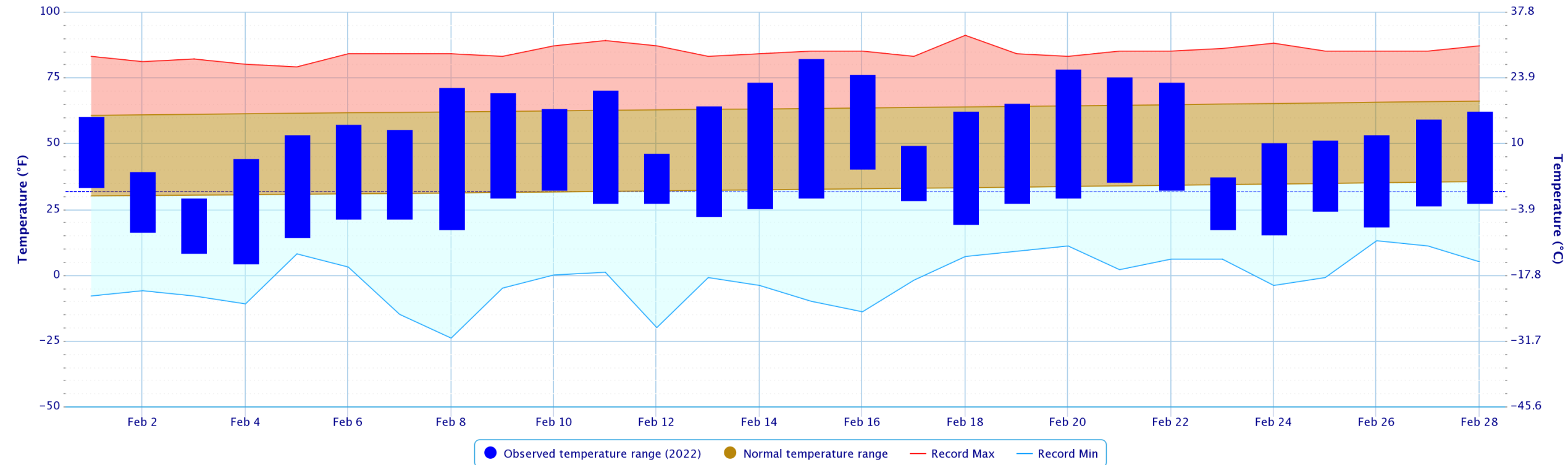
The February 2022 precipitation for Clayton was 0.25", which was 0.05" below the normal of 0.30". This ranked as a tie of 52nd driest February on record.

There was 4.9" of snow, compared to the normal of 2.7".

Average Temperature: 41.6°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of record – Max temperature: 1893-01-03 to 2022-02-28; Min temperature: 1893-01-21 to 2022-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



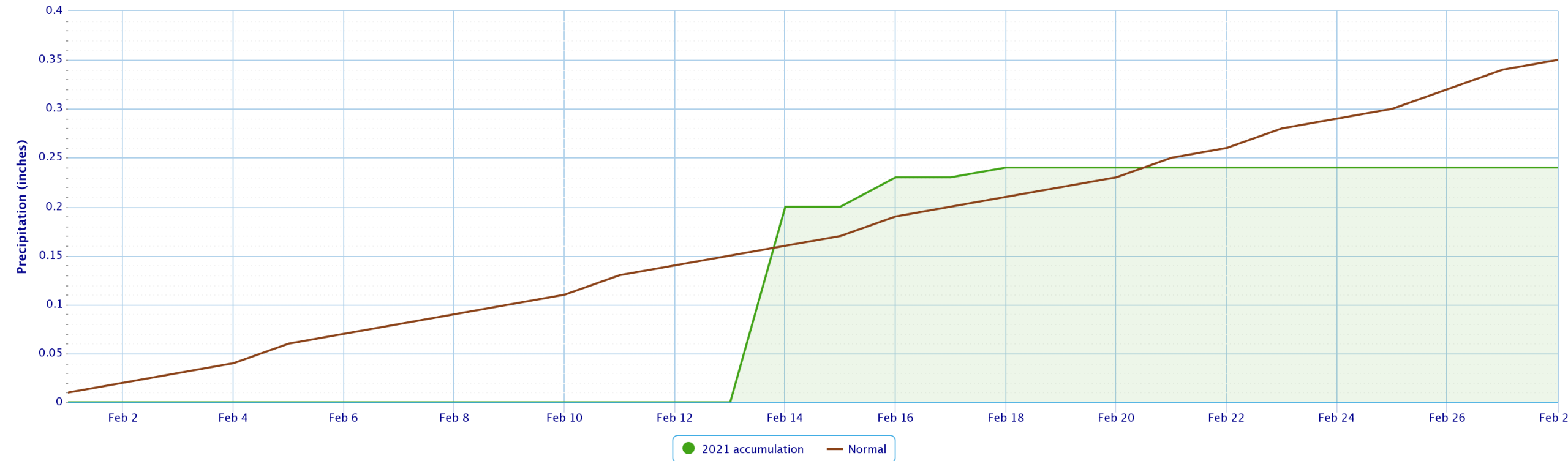
Powered by ACIS

The February 2022 average temperature for Roswell was 41.6°, which was 6.2° below the normal of 47.8°. The average maximum temperature for the month was 59.5°. This was 3.7° below the average maximum temperature of 63.2°. The average minimum temperature for the month was 23.6°. This was 8.9° below the normal average minimum temperature of 32.5°. This ranked as the 23rd coldest February on record.

Precipitation: 0.04"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

The February 2022 precipitation for Roswell was 0.04", which was 0.31" below the normal of 0.35". This ranked as a tie for the 30th driest February on record.

There was 0.8" of snow, compared to the normal of 1.1".










Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
Heavy Snow	2/1-2/2/2022	Northern Sangre de Cristo Mountains	2 to 3 feet		SNOTELs and ski sites received between 2 to 3 feet of heavy snow.
Heavy Snow	2/1-2/2/2022	Tusas Mountains and Chama	10-20"		SNOTEL received around 10 to 20 inches of heavy snow.
Heavy Snow	2/1-2/2/2022	Jemez Mountains	10-16"		La Cueva to Wolf Canyon.
Heavy Snow	2/1-2/3/2022	Sandia/Manzano Mountains and Edgewood	6-16"		Sandia Park to Sedillo and Ponderosa.
Heavy Snow	2/1-2/2/2022	East Slopes Sangre de Cristo Mountains	13.2"		Eagle Nest.
Heavy Snow	2/1-2/2/2022	Espanola Valley	11.4"		La Madera.
Heavy Snow	2/1-2/3/2022	South Central Mountains	11"		Ruidoso.
Heavy Snow	2/1-2/2/2022	Southern Sangre de Cristo Mountains	10"		Rociada.
Heavy Snow	2/1-2/2/2022	Glorieta Mesa and Pass	10"		Glorieta.
Heavy Snow	2/2-2/3/2022	Middle RGV/ABQ Metro Area	2-7"		Rio Rancho to Albuquerque.
Heavy Snow	2/1-2/2/2022	Northeast Highlands	8.5"		San Jose.
Heavy Snow	2/2/2022	Upper RGV	8.4"		Rancho de Taos.
Heavy Snow	2/2-2/3/2022	Eastern Lincoln County	8"		South and east of Corona.
Heavy Snow	2/1-2/3/2022	West Central Highlands	7"		San Fidel.
Heavy Snow	2/2/2022	Northwest Highlands	7"		Cuba.
Heavy Snow	2/2-2/3/2022	South Central Highlands	7"		Corona.
Heavy Snow	2/2-2/3/2022	Central Highlands	6.5"		Milagro.
Heavy Snow	2/1-2/3/2022	Santa Fe Metro Area	4-6"		Los Cerrillos to Santa Fe.
Heavy Snow	2/1-2/3/2022	Estancia Valley	6"		Moriarty.
Heavy Snow	2/2-2/3/2022	Lower RGV	4-5"		Socorro
Heavy Snow	2/2-2/3/2022	Southwest Chaves County	4"		Elk.
Heavy Snow	2/1-2/2/2022	Far Northwest Highlands	8"		Regina.
Winter Storm	2/2-2/3/2022	Upper Tularosa Valley			Severe travel conditions along U.S. 380 and 54.
Winter Storm	2/2-2/3/2022	Guadalupe County	2-5"		Numerous accidents along I-40 with multiple injuries and one fatality.

*Storm reports are considered preliminary until a final review is certified in the NWS Storm Data publication. Certified data is available three to four months post-event at: <https://www.ncdc.noaa.gov/stormevents/>



Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
Extreme Cold/Wind Chill	2/3-2/4/2022	Estancia Valley	-18 to -35°		Moriarty.
Extreme Cold/Wind Chill	2/3-2/4/2022	Upper RGV	-18 to -33°		Taos.
Extreme Cold/Wind Chill	2/3-2/4/2022	Harding County	-18 to -21°		Mills.
Extreme Cold/Wind Chill	2/3-2/4/2022	Eastern Lincoln County	-18 to -21°		Corona.
Extreme Cold/Wind Chill	2/3-2/4/2022	Quay County	-18 to -20°		Endgee.
Extreme Cold/Wind Chill	2/3-2/4/2022	Union County	-18 to -20°		Sedan.
Extreme Cold/Wind Chill	2/3-2/4/2022	Far Northeast Highlands	-18°		Raton.
Extreme Cold/Wind Chill	2/3-2/4/2022	Santa Fe Metro Area	-18°		Santa Fe.
Extreme Cold/Wind Chill	2/3-2/4/2022	Guadalupe County	-18°		Vaughn.
High Wind	2/16/2022	Lower RGV	51 kt	Gust	A White Sands Missile Range station measured a 59 mph wind gust.
High Wind	2/16/2022	Central Highlands	51 kt	Gust	Clines Corners measured a 59 mph wind gust.
High Wind	2/16/2022	Upper Tularosa Valley	55 kt	Gust	A White Sands Missile Range station near Oscuro measured a 63 mph wind gust.
High Wind	2/15/2022	South Central Mountains	51 kt	Gust	Ruidoso measured a peak wind gust of 59 mph.
High Wind	2/15/2022	South Central Mountains	39 kt	Sustained	Ruidoso measured a peak sustained wind of 45 mph.
High Wind	2/16/2022	Northeast Highlands	52 kt	Gust	Las Vegas measured a peak wind gust of 60 mph.
High Wind	2/16/2022	Quay County	69 kt	Gust	Tucumcari measured a peak wind gust of 79 mph.
Heavy Snow	2/16-2/17/2022	Sandia/Manzano Mountains and Edgewood	6-8"		Sandia Park to Sedillo.
High Wind	2/21/2022	West Central Plateau	51 kt	Gust	Gallup measured a peak wind speed of 59 mph.
High Wind	2/23/2022	Southwest Mountains	50 kt	Gust	Old Horse Springs measured a peak wind gust of 58 mph.
High Wind	2/23/2022	Lower RGV	53 kt	Gust	A White Sands Missile Range station measured a peak wind gust of 61 mph.
High Wind	2/23/2022	West Central Plateau	53 kt	Gust	Gallup measured a peak wind gust of 61 mph.
High Wind	2/23/2022	Upper Tularosa Valley	35 kt	Sustained	Ancho measured a peak sustained wind speed of 40 mph.
Heavy Snow	2/21-2/24/2022	Tusas Mountains and Chama	6-13"		Heavy snowfall and severe travel conditions from near Tierra Amarilla to Canon Plaza.
Heavy Snow	2/21-2/24/2022	Northern Sangre de Cristo Mountains	12"		Taos Ski Valley to Red River.
Heavy Snow	2/23-2/23/2022	Sandia/Manzano Mountains and Edgewood	5-7"		Edgewood to Sedillo and Tijeras.

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-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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